

# INTERNATIONAL SEARCH REPORT

PCT/NL2004/000420

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/74 A23L1/30 C12N1/20 A61P1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ERKKILAE S ET AL: "Screening of commercial meat starter cultures at low pH and in the presence of bile salts for potential probiotic use" MEAT SCIENCE, ELSEVIER SCIENCE, GB, vol. 55, 2000, pages 297-300, XP002241735 ISSN: 0309-1740 page 299	1,2,8, 10,12
Y		3-7,9, 11,13-15
X	WO 97/29645 A (BIOFEED THAILAND CO LTD ;BUNKE PATRIK (SE); LINDBLOM RAGNVALD (TH)) 21 August 1997 (1997-08-21) the whole document	13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

29/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ENNAHAR S ET AL: "Class IIa bacteriocins: biosynthesis, structure and activity." FEMS MICROBIOLOGY REVIEWS. NETHERLANDS JAN 2000, vol. 24, no. 1, January 2000 (2000-01), pages 85-106, XP002261989 ISSN: 0168-6445 cited in the application page 97, column 1, paragraph 3 page 102, column 1, line 20 - line 23	3-7,9, 11,13-15
Y	US 6 037 140 A (FACON JEAN-PIERRE ET AL) 14 March 2000 (2000-03-14) claims 1,2	14,15
E	WO 2004/087189 A (PIVA ANDREA ; CASADEI GABRIELE (IT)) 14 October 2004 (2004-10-14) the whole document	1,8,10
A	DEGNAN A J ET AL: "ANTLISTERIAL ACTIVITY OF PEDIOCIN ACH IN MODEL FOOD SYSTEMS IN THE PRESENCE OF AN EMULSIFIER OR ENCAPSULATED WITHIN LIPOSOMES" INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 18, 1993, pages 127-138, XP002301924 ISSN: 0168-1605 the whole document	1-15

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9729645	A	21-08-1997	SE 510498 C2 AT 234019 T AU 721811 B2 AU 1819097 A BR 9707510 A CA 2245964 A1 CN 1225556 A DE 69719735 D1 EP 0881886 A1 JP 2001500364 T NZ 330906 A SE 9600568 A WO 9729645 A1	31-05-1999 15-03-2003 13-07-2000 02-09-1997 27-07-1999 21-08-1997 11-08-1999 17-04-2003 09-12-1998 16-01-2001 28-01-2000 22-08-1997 21-08-1997
US 6037140	A	14-03-2000	FR 2739867 A1 AT 266089 T DE 69632373 D1 EP 0768376 A1	18-04-1997 15-05-2004 09-06-2004 16-04-1997
WO 2004087189	A	14-10-2004	WO 2004087189 A2	14-10-2004